



TT XLPE-iST-oST-LSZH-SWA-LSZH

Armoured individual and overall screened extension or compensating, LSZH TT*/XLPE/IS/OS/LSZH/SWA/LSZH (*Thermocouple Type Conductor)



Info

**TT UE4XHOHM1FM1 300 V
EN 50288-7
IEC 60584-3
ISA MC 96.1**

Benefits

- Sunlight resistant
- Hydrocarbon and Chemical resistant
- Fire behaviour
- Oil resistant

Product features

Armoured twisted pair individual and overall screened cable, XLPE insulated and LSZH jacketed

Norm references / Approvals

- **Hydrocarbon & Oil resistance**
CEI 20-34/0
- **Smoke**
IEC 61034-1 and 2
- **Halogen acid gas**
IEC 60754-1 and 2
- **Fire behaviour**
IEC 60332-1-2
IEC 60332-3-22 (Cat. A)

Design

- **Conductor:** Solid alloys according to IEC 60584-3, ISA MC 96.1
- **Core insulation:** XLPE
- **Screen:** IS/OS Aluminum/PET + TC Drain wire
- **Inner sheath:** LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1
- **Armour:** Galvanized steel wire
- **Outer sheath:** LSZH, color in accordance with IEC 60584-3, or ISA MC 96.1

Technical data

- Core identification code:**
in accordance with IEC 60584-3, or ISA MC 96.1 (SEE TT)
- Insulation resistance:**
5000 MOhm x km
- Conductor stranding:**
Solid alloys
- Nominal Voltage U0/U:**
300/300 V
- Test voltage:**
C/C 1500 V x 1 minute
- Temperature range:**
during operation: -30° to +70°C
during installation: -5° to +50°C
- Minimum Bending Radius:**
10 x Outer Diameter

Number cores and mm ² (AWG) per conductor	Approx. Outer Diameter mm	Copper index kg/km	Approx. Weight kg/km
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2x2x0,5 (20 AWG)	12,7	35,2	290
6x2x0,5 (20 AWG)	15,9	96,2	452
10x2x0,5 (20 AWG)	19,5	157,2	636
12x2x0,5 (20 AWG)	20,0	187,7	680
16x2x0,5 (20 AWG)	22,5	248,7	929
20x2x0,5 (20 AWG)	24,8	309,7	1.103
24x2x0,5 (20 AWG)	27,0	370,7	1.256
2x2x0,8 (18 AWG)	14,0	45,9	340
6x2x0,8 (18 AWG)	17,9	128,1	551
10x2x0,8 (18 AWG)	22,5	210,4	882
12x2x0,8 (18 AWG)	23,3	251,5	954
16x2x0,8 (18 AWG)	25,3	333,8	1.134
20x2x0,8 (18 AWG)	27,7	416,0	1.338
24x2x0,8 (18 AWG)	30,5	498,3	1.542
2x2x1,3 (16 AWG)	15,5	64,8	407
6x2x1,3 (16 AWG)	20,6	184,9	706
10x2x1,3 (16 AWG)	26,0	305,0	1.126
12x2x1,3 (16 AWG)	26,9	365,0	1.222
16x2x1,3 (16 AWG)	29,6	485,1	1.483
20x2x1,3 (16 AWG)	32,7	605,2	1.775
24x2x1,3 (16 AWG)	36,6	725,3	2.241

Where X=0 for KX, X=1 for KCA, X=2 for KCB, X=3 for EX, X=4 for TX, X=5 for JX, X=6 for BX, X=7 for RCA/SCA RCB/SCB, X=8 for NX, X=9 for NC

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Photographs are not to scale and do not represent detailed images of the respective products

AVAILABLE ALSO IN: Other conductor sizes and stranding, Armour SWB, DSTA